

ENVIRONMENTAL MONITOR WEEKLY REPORT
WEEK ENDING **August 4, 2017**

Distribution

This report was sent to the following individuals via. e-mail:

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STATUS OF CONSTRUCTION

Earthwork and drainage installation has begun at the northern end of the site. Powder Mill road is still closed and work to install the new culvert continues.

SITE SCHEDULE

Over the next two weeks, disposal, handling, and transporting of treated wood products, rail components and other track material is scheduled to be completed.

WEATHER

The weather station at Hanscom Airfield records and publishes real-time precipitation data (USGS 01100568). According to the weather station, a single precipitation event which totaled to be greater than 0.25" was on August 2, 2017 and was measured to be 0.48".

ORDER OF CONDITIONS

The following conditions were met during the reporting period:

Condition 35: In order to ensure stockpiling of materials is kept outside of the 100' buffer zone during the work at Powder Mill Road, the staging area has been staked out and additional erosion control has been installed.

Condition 39: Siltation barrier has been installed and consists of, at a minimum, a 12" straw wattle. Where it has been determined that additional measures were needed, some silt fence was added in limited areas.

Condition 47: No machinery was observed being stored in the buffer zone.

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PLANNED IMPACTED AREAS

There is no resource areas planned to be impacted in the next two weeks.

SWPPP REPORTS

Copies of the reports are kept in the construction trailer. Copies will be provided when they are recieved.

GENERAL SUMMARY

Work at Powder Mill road continues with concrete pouring and improvements in the erosion controls and temporary storm water discharge pipes are installed. Throughout the remainder of the site, disturbed soils does not appear to be eroding and the in place erosion control is working effectively.

WEATHER REPORTS



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Surface Water ▼

Geographic Area:

United States ▼

GO

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USGS 01100568 SHAWSHEEN RIVER AT HANSCOM FIELD NEAR BEDFORD, MA

PROVISIONAL DATA SUBJECT TO REVISION

Available data for this site

Time-series: Daily data ▼

GO

Click to hide station-specific text

LOCATION--Lat 42°28'01", long 71°16'22", Middlesex County, Hydrologic Unit 01070002, on left bank, 300 ft downstream from FAA hangar at Hanscom Field and 1.6 mi south of Bedford.

DRAINAGE AREA--2.13 mi².

PERIOD OF RECORD--Discharge: October 1995 to current year.

Precipitation: October 1996 through September 1999, October 2002 to September 2004.

Water quality: water years 1995-2001.

GAGE--Data Collection Platform with satellite telemeter. Datum of gage is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

REMARKS-- Discharge values are highly provisional and will change significantly after thorough check and review of data. Gage-height values are accurate. Precipitation gage re-established on site February 2013.

COOPERATION BY--U. S. Air Force

The precipitation data for this station are temporary and will only be displayed for 120 days. Time series of 15-minute or cumulative daily values WILL NOT be available for retrieval following the 120-display period. Although the instrumentation is calibrated at least once/year, the temporary classification means that documented routine inspections and other quality assurance measures are not performed that would make the data acceptable for archival, retrieval, or future use in general scientific or interpretive studies.

[Boating safety tips](#)

This station managed by the Northborough MA Field Office.

Available Parameters

☐ All 3 Available Parameters for this site

☐ 00010 Temperature, water(Min.,Max.,Mean)

☒ 00045 Precipitation(Sum)

☐ 00060 Discharge(Mean)

Period of Record

2017-08-02 2017-08-09

1996-09-30 2017-08-09

1995-10-01 2017-08-09

Output format

☐ Graph

☐ Graph w/ stats

☐ Graph w/ meas

☐ Graph w/ (up to 3) parms

☒ Table

☐ Tab-separated

Days (6)

Summary of all available data for this site

Instantaneous-data availability statement

GO

-- or --

Begin date

2017-07-29

End date

2017-08-04

Daily Sum		
Precipitation, total, inches		
DATE	Jul 2017	Aug 2017
1		0.00 ^P
2		0.48 ^P
3		0.00 ^P
4		0.00 ^P
5		
6		
7		
8		
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21		
22		
23		
24		
25		
26		
27		
28		
29	0.00 ^P	
30	0.00 ^P	
31	0.00 ^P	
COUNT		4
MAX		0.48
MIN		0.00

Explanation

P	Provisional data subject to revision.
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Title: USGS Surface-Water Daily Data for the Nation

URL: [https://waterdata.usgs.gov/nwis/dv?](https://waterdata.usgs.gov/nwis/dv?cb_00045=on&format=html&site_no=01100568&referred_module=sw&period=&begin_date=2017-07-29&end_date=2017-08-10)



Page Contact Information: [Massachusetts Water Data Support Team](#)

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SCHEDULE & PHASE I PLANS

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PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH LOG

AUGUST 1, 2017



ASPHALT BERM DIRECTS STORMWATER TO TEMP DRAINAGE.



EROSION CONTROL BEHIND STOCKPILE AREA.



PHOTOGRAPH LOG

AUGUST 1, 2017



EROSION CONTROL MAINTAINED AS WORK PROGRESSES



EARTHWORK AND DRAINAGE INSTALLATION



PHOTOGRAPH LOG

AUGUST 4, 2017



INSTALLATION OF STORMWATER CONTROLS (LEACHING CATCH BASINS).



ADDITIONAL E/C ADDED AT TEMPORARY DRAINAGE